

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Curtis, Rory A. J., et al.

Application No.:

Group No.: N/A

Filed:

Herewith

Examiner: N/A

For:

53010, A NOVEL HUMAN CARBOXYLESTERASE FAMILY MEMBER AND
USES THEREOF

Mail Stop Patent Application
Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements
2. ☒ Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) (5 pages)
- 3.. ☒ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

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Preliminary Statements

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

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Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. section 120, on the earlier filing date of prior application Serial No.: 10/ 023,515, filed on December 18, 2001.

The following references were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application. However, in the event additional copies are necessary, the undersigned will submit such copies upon request.

September 29, 2003

MILLENNIUM PHARMACEUTICALS, INC.

By 

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>					
				Application Number	
				Filing Date	Herewith
				First Named Inventor	Rory A. J. Curtis, et al.
				Group Art Unit	N/A
Examiner Name				N/A	
Attorney Docket Number				MPI00-524P1RDV1M	
Sheet	1	of	1		

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		Application Number	
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Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	C1	Altschul et al., "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> 215:403-410 (1990)	
	C2	Altschul et al., "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs," <i>Nucleic Acids Research</i> 25(17):3389-3402 (1997)	
	C3	Begley et al., "A Conserved Motif within the Vitamin K-dependent Carboxylase Gene is Widely Distributed Across Animal Phyla," <i>Journal of Biological Chemistry</i> 275 (46):36245-36249 (November 17, 2000)	
	C4	Bruce, D., Mundt, M. et al., Homo Sapiens Chromosome 16 Clone 449J19. 06-May-1999 GenBank Accession No. AC007499	
	C5	Bruce et al., (1999), "Homo Sapiens Chromosome 16 Clone RPII-165M2", EBI Database Accession No. AC007335 XP 002222742	
	C6	Chanda (ed.), <i>Current Protocols in Molecular Biology</i> , 2000, Volume 4, John Wiley & Sons, Inc. (Table of Contents only)	
	C7	Grifman et al., "Functional Redundancy of Acetylcholinesterase and Neuroligin in Mammalian Neuritogenesis," <i>Proc. Natl. Acad. Sci, USA</i> 95:13935-13940 (November 1998)	
	C8	Hashimoto et al, (2001), "Macaca Fascicularis Brain cDNA Clone: QtrA-12316", EBI Database Accession No. AB060873 XP 00222744	
	C9	Hillier et al., WashU-NIC Human EST Project. Similar to Carboxylesterase Precursor. EMBL Accession No. AA 608798. March 2, 1998. Alignment with SEQ ID NO:2	
	C10	International Human Genome Sequencing Consortium, "Initial Sequencing and Analysis of the Human Genome," <i>Nature</i> 409:860-921 (February 15, 2001)	

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	C11	Isogai et al, (2001), "Homo Sapiens cDNA FLJ31547 fis, clone NT2RI2001010", EBI Database Accession No. AK056109 XP 002222743	
	C12	Karlin et al., "Applications and Statistics for Multiple High-Scoring Segments in Molecular Sequences," <i>Proc. Natl. Acad. Sci.</i> 90:5873-5877 (June 1993)	
	C13	Karlin et al., "Methods for Assessing the Statistical Significance of Molecular Sequence Features by using General Scoring Schemes," <i>Proc. Natl. Acad. Sci.</i> 87:2264-2268 (March 1990)	
	C14	Myers et al., "Optimal Alignments in Linear Space," <i>CABIOS</i> 4(1);11-17 (1998)	
	C15	National Institutes of Health (2001), "603039938F1 NIH_MGC_115 Homo Sapiens cDNA Clone IMAGE: 5181056 5' mRNA Sequence", EBI Database Accession No. I BI 822069 XP 002222745	
	C16	Old and Primrose, "Nucleic Acid Hybridization Methods. In: Principles of Gene Manipulation," <i>Blackwell Sci Pubs.</i> , Boston, (1985), 117-120	
	C17	PCT Foreign Search Report (November 12, 2002)	
	C18	Satoh et al., "Molecular Aspects of Carboxylesterase Isoforms in Comparison with Other Esterases," <i>Toxicology Letters</i> 82/83:439-445 (1995)	
	C19	Sambrook et al. (eds.), "Molecular Cloning – A Laboratory Manual," 1989, 2 nd Edition, Cold Spring Harbor Laboratory Press (Table of Contents only)	

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		Filing Date	Herewith
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	C20	Silver et al., "No. 606361e1 Carboxylesterase Nucleic Acid: Molecules, Proteins and Uses Thereof," US 6,063,610 SEQ ID NO:10. May 16, 2000 (FD December 12, 1996). Alignment with SEQ ID NO:2	
	C21	Sone et al. (1998), "Carboxylesterase Precursor (EC 3.1.1.1)", EBI Database Accession No. 035533 XP 002222746	
	C22	Sonnhammer et al., "Pfam: A Comprehensive Database of Protein Domain Families Based on Seed Alignments," <i>Proteins</i> 28:405-420 (1997)	
	C23	Tsukamoto, T., Toyama, R. et al., "Human Guanine Nucleotide-binding Regulatory Protein (Go-Alpha) Gene, Exons 1 and 2". 08-Nov-1994 GeneBank Accession No. M60156	
	C24	Tsukamoto, T., Toyama, R. et al., "Structure of the Human Gene and Two Rat cDNAs Encoding the Alpha Chain of GTP-Binding Regulatory Protein Go: Two Different mRNAs are Generated by Alternative Splicing," <i>Proc. Natl. Acad. Sci USA</i> 88(8):2974-2978 (April 15, 1991)	
	C25	Venter et al., "The Sequence of the Human Genome," <i>Science</i> 291:1304-1351 (February 16, 2001)	
	C26	Walker et al., "On a Potential Global Role for Vitamin K-dependent γ -Carboxylation in Animal Systems," <i>Journal of Biological Chemistry</i> 276(11):7769-7774 (March 16, 2001)	
	C27	Weintraub et al., "Anti-sense RNA as a Molecular Tool for Genetic Analysis," <i>Trends in Genetics</i> (1985)	
	C28	GenBank Accession No. L05493 (August 4, 1993)	

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